

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Submit in Duplicate*

WELL COMPLETION OR RECOMPLETION AND LOG

1a. Type of Well: oil well ___ gas well X dry ___ other ___
b. Type of Completion: new well X work over ___ deepen 90 JAN 29 AM 10:00
plug back ___ diff. resvr. ___ other ___

2. Name of Operator: Blackwood & Nichols Co., Ltd.

3. Address of Operator: P.O. Box 1237, Durango, Colorado 81302-1237

4. Location of Well: (Report location clearly, in accordance with any State requirements)*

At surface

At top prod. interval reported below

790' FSL, 790' FWL

At total depth

Permit No.: 30-045-27548

5. Lease Designation & Serial #: NM-03358

6. If Indian, Allottee/Tribe Name

7. Unit Agreement Name:
Northeast Blanco Unit

8. Farm or Lease Name:
Northeast Blanco Unit

9. Well No.:
464

10. Field and Pool, or Wildcat:
Basin Fruitland Coal

11. Sec., T., M., or Block and
Survey or Area:
Sec. 10, T31N, R7W

12. County or Parish: San Juan
13. State: NM

15. Date Spudded: 12-16-89
16. Date TD Reached: 01-03-90
17. Date Compl. (ready to produce): 01-07-90
18. Elev. (DF, RKB, RT, GR, Etc)* 6615' GL
19. Elev. Csgd. 0000'

20. Total Depth, MD & TVD: 3513'
21. Plug Back TD, MD & TVD: 3513'
22. If Mult. Comp.: How Many* N/A
23. Intervals Drilled By: Rotary Tools TD
Cable Tools No

24. Producing Interval(s), of this completion - Top, Bottom, Name (MD and TVD)*:
Fruitland Basin Coals, open hole completion from 3206' to 3513'
25. Was Directional Survey Made? Yes

26. Type Electric and Other Logs Run:
Mud Log
27. Was Well Cored? No

28. CASING RECORD (Report all strings set in well)

Casing Size	Weight, LB/FT	Depth Set (MD)	Hole Size	Cementing Record	Amount Pulled
9.625	36# J-55	345'	12.25"	295 cf of Class B Neat	18 Bbls Circ. Cement
7.000"	23# L-80	3170'	8.75"	782 cf of Class G 65/35 ROZ	
				144 cf of Class G Neat	30 Bbls Circ. Cement

LINER RECORD

TUBING RECORD

Size	Top (MD)	Bottom (MD)	Sacks Cmt*	Screen (MD)	Size	Depth Set (MD)	Packer Set (MD)
None					2-3/8"	3100'	N/A

31. Perforation Record (Interval, size and number):
Open hole - no liner
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
Depth Interval (MD) Amount and Kind of Material Used
3206' - 3513' Natural, stress relieved the coal zones.

33. PRODUCTION

Date First Production: Waiting on pipeline
Production Method (Flowing, gas lift, pumping-size and type of pump): Flowing during completion operation, dry gauge
Well Status (shut-in): Shut-in

Date of Test: 01-08-90
Hours Tested: 1 Hrs.
Choke Size: 3/4" choke
Prod'n For Test Period: N/A
Oil-Bbl N/A
Gas-MCF N/A
Water-Bbl N/A
Gas-Oil Ratio N/A

Flow. Tubing Press: 125 psig
Casing Pressure: 2 HSI-1270
Calculated 24 HR Rate: N/A
Oil-Bbl N/A
Gas-MCF 1694 MCFD
Water-Bbl N/A
Oil Gravity-API N/A

34. Disposition of Gas (Sold, used for fuel, vented, etc): Vented
Test Witnessed By: M. Dwinell

35. List of Attachments:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Signed: William F. Clark
Title: Operations Manager
Date: 23 Jan '90

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC
No Electric Logs run; only a Mud Log through the Fruitland Coal Zones:			
Fruitland Coal Zones:	3206'	3209'	
	3210'	3214'	
	3216'	3218'	
	3220'	3223'	
	3235'	3238'	
	3239'	3240'	
	3295'	3301'	
	3358'	3361'	

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DIST. 3

38. GEOLOGICAL MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2408' *	
Kirtland	2528' *	
Fruitland	3113' *	
* Inferred from offset Well Logs		